

| Sample | Depth | PFOS | | | | |
|--------|-------------|-----------|-------------|---------------|--------------|-------------|
| | | foc (g/g) | Csi (ug/kg) | Csplp(ug/L) | Csf (ug/kg) | Kd (L/kg) |
| BCW-1 | 0.5 - 1.0 | 0.0083 | 0.45 | 0.006 | 0.33 | 55.0 |
| BCW-1 | 1.0 - 1.5 | 0.003 | 0.31 | 0.01 | 0.11 | 11.0 |
| BCW-2 | 1.0 - 1.5 | 0.0033 | 0.2 | 0.0033 | 0.134 | 40.6 |
| BCW-3 | 0.5 - 1.0 | 0.0011 | 0.14 | 0.0013 | 0.114 | 87.7 |
| BCW-4 | 1.0 - 1.5 | 0.0054 | 0.15 | 0.0026 | 0.098 | 37.7 |
| BCW-4 | 25.5 - 26.0 | 0.0052 | 0.13 | 0.0013 | 0.104 | 80.0 |

Csi Initial concentration on soil

Csf Final concentration on soil (calculated as the mass lost to leachate, i.e., final equ

Csplp Final concentration in leachate, assuming no initial presence

Kd Soil-water partition coefficient - Csf/Csplp

Koc Organic carbon partition coefficient - Kd/foc (Kd normalized on organic carbon)

Bold indicates J flagged value

Bold italics indicate one or more results are indicated as less than.

Bold and/or italicized Kd or Koc may not be reliable values.

These calculations assume 100 g soil and 2.0 L leaching fluid. There was insufficient material for B

The calculation should be proportionately correct for that case.

These calculations do not include the possibility that some PFAs may sorb to glasware or sorb to m

in the soil sample may be much lower, leading to a lower Kd and Koc estimate.

The top 0.5-ft is topsoil over till for BCW-1, -2 and -3, and over sand for BCW-4.

| PFOA | | | | | |
|--------------|-------------|-------------|-------------|-----------|------------|
| Koc (L/kg) | Csi (ug/kg) | Csplp(ug/L) | Csf (ug/kg) | Kd (L/kg) | Koc (L/kg) |
| 6627 | 0.73 | 0.021 | 0.31 | 14.8 | 1779till |
| 3667 | 2.9 | 0.096 | 0.98 | 10.2 | 3403till |
| 12305 | 0.81 | 0.026 | 0.29 | 11.2 | 3380till |
| 79720 | 0.96 | 0.04 | 0.16 | 4.0 | 3636till |
| 6980 | 1.8 | 0.064 | 0.52 | 8.1 | 1505sand |
| 15385 | 3.2 | 0.051 | 2.18 | 42.7 | 8220sand |

ilibrium)

CW-4 at 1-1.5 ft, but the 20:1 ratio was maintained.

ineral surfaces. In that case, the actual concentration